CP-WU8451 LCD Projector

HITACHI
Inspire the Next

Convenient and easy to use installation projector with advanced technology and 5,000 ANSI lumens brightness in a low profile design.

Key Features

- WUXGA 1920 x 1200 resolution
- 5,000 ANSI lumens white/color output
- HDBaseT and HDMI x 2 inputs
- 16 watt audio output
- 5000:1 contrast ratio
- 20,000 hours hybrid filter*
- 3,000 hours lamp life (Eco mode)**
- HDCR/Accentualizer

Hitachi's installation-friendly CP-WU8451 LCD projector is designed to provide maximum presentation impact in mid to large venue applications. It offers a versatile array of innovative, performance-enhancing features along with advanced video display technology providing bold, brilliant colors with incredible image clarity and uniformity. Plus, with motorized zoom, focus and superior lens shift, a variety of lens options, 360° display rotation and status monitor, the CP-WU8451 is at the top of its class when it comes to installation flexibility. All this, and with a lower cost of ownership. For added peace of mind, Hitachi's CP-WU8451 is also backed by a generous warranty and our world-class service and support programs.

CP-WU8451

1.800.HITACHI
dmd.info@hal.hitachi.com
hitachi-america.us/projectors

CP-WU8451 LCD Projector

HITACHI
Inspire the Next

UNIQUE FEATURES

Accentualizer

Hitachi original technology makes pictures look more real by enhancing sharpness, gloss and shade to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings so that the colors of projected images are the actual colors of the objects they represent.

Sharpness *Gloss* *Shade*

HDCR (High Dynamic Contrast Range)

When average projectors are used in bright rooms, the darker colors of an image deteriorate and images become unclear. Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increasing contrast occurs. This results in clear images even in bright rooms.

Center Lens Design

This feature makes it easy to align the projector with the center of the screen for faster and trouble-free setup.

DICOM® Simulation Mode

Images in DICOM (Digital Imaging and Communications in Medicine) Mode are reproduced with an advanced grayscale level. This mode is ideal for viewing grayscale medical images such as X-rays, and for training and educational purposes.

These projectors are not approved medical devices. They should not be used for actual medical diagnosis.

Multiple Lens Options

In addition to the one ML703 middle throw standard lens, four optional lenses are available: FL701 fixed; SL702 short throw; LL704 long throw; and UL705 ultra-long throw.

Motorized Zoom, Focus and Lens Shift Control

Allows for greater range of installation possibilities. With the motorized function you can make fine adjustments through the remote control or RS232/IP device.

Perfect Fit

Enables the user to adjust individual corners independent of one another. This feature helps correct geometric and complicated distortions. Perfect Fit allows the projected image to fit correctly to the screen quickly and easily.

Picture By Picture

Enables the content from two input sources to be displayed simultaneously, side by side on one screen. You can use two sources including 2 HDMI, with both images sharing equal screen size. The feature is ideal for teleconferencing applications.

360° Rotation

Display rotation of 360° for creative applications and greater installation flexibility.

The side planes of the projector should be kept vertical.

Status Monitor

With Hitachi's status monitor, you'll have access in real time to projector diagnostics. Status updates include configuration information, maintenance history, as well as error and alarm messaging.

STANDARD FEATURES

MyButton

Four customizable buttons on the remote control allow users to create a shortcut for projector functions such as Information, Auto Keystone, Picture Mode etc.

Network Control, Maintenance and Security

Embedded networking gives you the ability to manage and control multiple projectors over your LAN. Features include scheduling of events, centralized reporting, image transfer and e-mail alerts for reactive and routine maintenance.

PC-Less Presentation

By using a USB memory stick or other storage device, you can use the projector without a computer. Menus are easy to see with a thumbnail display. Additionally there is also a slideshow function.

PIN Lock / MyScreen / MyText

PIN lock protection can limit projector users. MyScreen PIN lock keeps captured images on the startup screen. Users can set any name logo to MyScreen, clearly identifying ownership. MyText provides the ability to write text on the startup screen such as model name, serial number or location.

PJMessenger

PJMessenger function allows you to send and display text messages and audio alerts on your networked projectors. It is an easy and efficient way to send announcements out to multiple units.

Present Content via LAN

Hitachi's suite of networking software allows you to easily send content directly from your PC to the projector via your LAN connection.

Serial Number and Media Access Control Label

A label is affixed to side of projector to more easily access and read the model name, serial number and MAC address while mounted in ceiling use. This is a convenience for installers, end users and auditors for instant accessibility.

Transition Detector and Security Bar

A security sensor located inside the projector recognizes when the projector has been moved. Moving the projector without using the correct PIN code will disable the projector.

Wireless Presentation Compatible

Connect the projector to a computer or your network using the optional USB wireless adapter (part number USBWL11N). The adapter supports IEEE802.11b/g and 11n.

* Actual filter life will vary by individual filter based on environmental conditions, selected operating mode, user settings and usage. Hours of average filter life specified are not guaranteed and do not constitute part of the product warranty.

** Actual lamp life will vary by individual lamp based on environmental conditions, selected operating mode, user settings and usage. Hours of average lamp life specified are not guaranteed and do not constitute part of the product or lamp warranty. Lamp brightness decreases over time.

HI0350-03/15
All specifications subject to change without notice.
3LCD and the 3LCD logo are registered trademarks of the Seiko Epson Corporation.
©2015 Hitachi America, Ltd. All Rights Reserved.

Hitachi America, Ltd.
Toll Free: 1.800.HITACHI • Email: dmd.info@hal.hitachi.com
Web: hitachi-america.us/projectors

CP-WU8451 LCD Projector

HITACHI
Inspire the Next

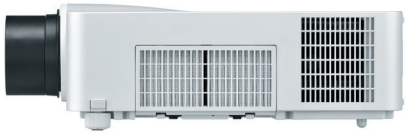
Quality, reliability and installation convenience.

From mid-size to very large auditoriums and conference halls, Hitachi's CP-WU8451 LCD projector is the perfect solution. With 5,000 ANSI lumens brightness and WUXGA 1920 x 1200 resolution, the CP-WU8451 will deliver dynamic images guaranteed to dazzle any audience. Incorporating Hitachi's leading-edge technology, the CP-WU8451 features high contrast ratio, long lamp life, picture by picture so you can project two images on one screen at the same time, a variety of lens options to accommodate

your specific application, and is wireless presentation ready. Plus, embedded networking gives you the ability to manage and control multiple projectors over your LAN (scheduling of events, centralized reporting, image transfer, and e-mail alerts). The CP-WU8451 comes equipped with a status monitor so you'll have access in real time to projector diagnostics. Even with the array of advanced features, Hitachi's CP-WU8451 is designed for user-friendly operation and installation convenience.

Front 3/4 View

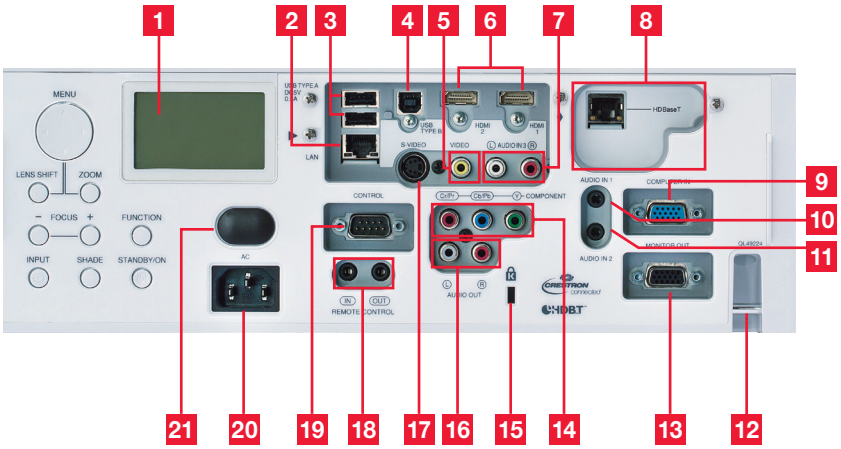
Top View



Side Profile

Rear View

Input/Outputs



1. Status Monitor
2. LAN
3. USB Type A
4. USB Type B
5. Composite Video
6. HDMI x 2
7. Audio in 3
8. HDBaseT
9. Computer in 1
10. Audio in 1
11. Audio in 2
12. Security Bar
13. Monitor Out
14. Component
15. Kensington Lock
16. Audio Out
17. S-Video
18. Remote Control
19. Control (RS-232C)
20. AC Inlet
21. Remote Sensor

3LCD Technology

Closed Captioning

Crestron Integrated Partner

AMX Device Discovery

Hitachi Trade-Up Program

3 Year Warranty

HDMI

HDBT™

CP-WU8451

HI0350-03/15
All specifications subject to change without notice.
3LCD and the 3LCD logo are registered trademarks of the Seiko Epson Corporation.
©2015 Hitachi America, Ltd. All Rights Reserved.

Hitachi America, Ltd.
Toll Free: 1.800.HITACHI • Email: dmd.info@hal.hitachi.com
Web: hitachi-america.us/projectors

CP-WU8451 LCD Projector

HITACHI
Inspire the Next

Accessories and Lenses	
Supplied Accessories	Remote control, power cord, computer cable, AA batteries x 2, adapter cover, security label, manual CD, user's manual, application CD
Optional Accessories	USBWL11N USB wireless adapter, MS-1 wired multifunction switcher, MS-1WL wireless multifunction switcher
Optional Lenses	4 optional lenses are available: FL701, SL702, LL704, UL705
Replacement Parts	
Lamp	DT01291
Remote Control	HL02801
Filter	UX38242

Projection Throw Chart

Screen Size 16:10		Throw Distance	
Diagonal	**Width**	**Min**	**Max**
30	25	38	76
80	68	101	202
100	85	127	252
150	127	190	377
200	170	253	503
250	212	316	628
300	254	379	754
600	509	758	1507

Throw Ratio: 1.5 - 3.0 : 1 (distance : width)
Screen size and throw distance are measured in inches with standard lens ML703.

Projection Lens Chart

Lens	Inches	Meters
ML703	122 - 242	3.1 - 6.2
FL701	66	1.7
SL702	97 - 145	2.5 - 3.7
LL704	231 - 392	5.9 - 10.0
UL705	393 - 667	10.0 - 16.9

Projection distances measured in inches and meters with standard lens and optional lenses when projecting onto a 100" diagonal screen.

Specifications

Display	**Projection Technology**	3LCD, 3 chip technology
	Resolution	WUXGA - 1920 x 1200
	White Light Output	5,000 ANSI lumens
	Color Light Output	5,000 ANSI lumens
	Colors	16.7 million colors
	Aspect Ratio	Native 16:10 and 4:3 / 16:9 compatible
	Contrast Ratio	5000 : 1 (using active IRIS)
	Throw Ratio (distance : width)	1.5 - 3.0 : 1 (with standard lens)
Lens & Operation	**Lens**	F = 1.6 - 2.9, f = 24 - 48 mm x 2.0 motorized zoom, focus & lens shift
	Lamp Wattage	330W
	Expected Lamp Life*	Approximately 2,500 hours (standard mode) 3,000 hours (Eco mode)
	Expected Filter Life**	Approximately 20,000 hours
	Speaker Output	16W (8W x 2 stereo)
	Keystone	H: +/- 7.5° and V: +/- 35°
Compatibility	**Computer**	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA, MAC16"
	H-Sync	15 kHz - 106 kHz
	V-Sync	50 Hz - 120 Hz
	Composite Video	NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM
	Component Video	480i, 480p, 576i, 720p, 1080i, 1080p
	HDMI	480i, 480p, 576i, 720p, 1080i, 1080p, Computer signal TMDS clock 27 MHz - 150 MHz
Connectors	**Digital Input**	HDMI x 2 (HDCP compliant), HDBaseT x 1
	Computer Input 1	15-pin mini D-sub x 1
	Computer Monitor Output	15-pin mini D-sub x 1
	Video Input	
	S-Video	Mini DIN 4-pin x 1
	Composite Video	RCA jack x 1
	Component Video	RCA jack x 3, 15-pin mini D-sub (shared with computer in 1)
	Audio Input	3.5 mm stereo mini jack x 2, RCA jack (L/R) x 1
	Audio Output	RCA jack (L/R) x 1
	Network LAN Wired	RJ-45 jack x 1
	Network LAN Wireless	USB wireless adapter (Optional)
	HDBaseT	RJ-45 jack x 1
	USB	Type A x 2 (PC-less presentation, wireless adapter) Type B x 1 (USB display or mouse control)
	Control Terminals	9-pin D-sub x 1 (RS-232 control)
Ratings & Warranty	**Power Supply**	AC100-120V / AC220-240V, 50/60Hz
	Power Consumption	500W
	Operating Temperature	32°F - 113°F (0°C - 45°C)
	Dimensions (W x D x H)	19.6" x 15.6" x 5.3" (without lens)
	Weight	Approximately 20.3 lbs
	Approvals	UL 60950-1 / cUL FCC Part 15 subpart B class A
	Warranty	3 year limited parts and labor Extended Service Contract available (additional cost)

* Actual lamp life will vary by individual lamp based on environmental conditions, selected operating mode, user settings and usage. Hours of average lamp life specified are not guaranteed and do not constitute part of the product or lamp warranty. Lamp brightness decreases over time.

** Actual filter life will vary by individual filter based on environmental conditions, selected operating mode, user settings and usage. Hours of average filter life specified are not guaranteed and do not constitute part of the product warranty.

CP-WU8451

HI0350-03/15
All specifications subject to change without notice.
3LCD and the 3LCD logo are registered trademarks of the Seiko Epson Corporation.
©2015 Hitachi America, Ltd. All Rights Reserved.

Hitachi America, Ltd.
Toll Free: 1.800.HITACHI • Email: dmd.info@hal.hitachi.com
Web: hitachi-america.us/projectors